

MINING APPLICATION
NO. _____

Date _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED

FEB 2 1991

DIVISION OF
OIL, GAS & MINING

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided
they contain the same information)

1. Name of Applicant or Company MICHAEL JELEN
2. Proposed type of operation Placer
3. (a) Prior Land Use(s) Old Placer Ground
(b) Current Land Use(s) None
(c) Possible or Prospective Future Land Use(s) Mining
4. What vegetation exists on the land proposed to be affected _____
Juniper and sagebrush
(a) Types and Estimated Percent cover or density: 20%
5. What is the pH range of soil before mining? 7 - 9 pH
Name of Person or Agency and method of determining pH _____
pH meter on slurry by Michael Jelen and M. J. Bright
6. Site elevation above sea level 6,400 ft.
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) - -
8. Estimated duration of mining operations 30 years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics affecting revegetation? It is cobbly gravel and infertile
10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If yes, describe the quality of water being discharged. _____

- ** 11. Describe specifically a detailed procedure for:
- (a) The mining sequence
 - (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - (c) The procedure for site preparation including removing trees and brush.
 - (d) The method for removing and stockpiling topsoil or disturbed materials.
 - (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
 - (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

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Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

** See Appended Sheet

TESTING

1. Describe method for testing stability of reclamation fill material.

No tests are needed because we will reuse original material.

Describe method for the testing of soil that is intended to support vegetation

No top soil is present. All material over bedrock will be worked.

2. Describe any soil treatment employed as an aid to revegetation _____

None is needed.

3. Describe surface preparation of areas intended to support vegetation:

The surface will be restored to its original contour. No other preparation is needed.

REVEGETATION

1. Revegetation to be completed by:

(X) Operator
() Soil Conservation District
(X) Private Contractor
() Other (specify) _____

() Hydroseeding
() Aerial Seeding
(X) Conventional or Rangeland Drill
(X) Broadcast and Drag
() Other _____

11. (a) Mining Sequence -- a front end loader will scoop and haul gravel, previously loosened by a bulldozer, to a washing plant. The gravel will go through a trommel and down a sluice. Material will be moved by conveyor belt from the foot of the sluice and oversize from the trommel will be moved by a travelling conveyor. The bulldozer will backfill washed gravel into the same area from which it was removed, restoring the land to approximately its original configuration.
- (b) No access roads will be constructed. Existing roads will be used for the entire project.
- (c) Because the gravels contain gold values from the surface down, almost no site preparation will be required. The few small trees that are growing in the area will be removed and the wood will be cut and stacked.
- (d) There is no topsoil to be stockpiled. The ground surface is cobbly gravel which persists all the way to bedrock. As explained on the Mining Sequence (Part (a) above), the washed material will be moved by conveyor belt away from the processing plant. It will be stacked in piles for restoration.
- (e) The stacked, washed gravels will be bulldozed into the areas from which they were removed. Land surfaces will be restored to approximately their original configurations.
- (f) Because the gravels will be replaced to conform to original land configurations, additional stabilization procedures will not be required.

GRADING AND REGRADING

- (a) As stated above, washed gravels will be backfilled to conform closely to original land configuration. Therefore, they will be similar to the existing grade.
- (b) There is no topsoil or upper horizon material in the area designated for placering. The poorly sorted gravels persist from the surface to bedrock.
- (c) No soil treatment will be employed for reasons stated above.
- (d) No drainage control is planned because the gravels will be restored to approximately the original surface configuration.
- (e) Maximum grading slopes will be those that existed prior to mining (gentle gradients).

2. Will Mulch be used? () Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Western Wheat	2-3 lbs/acre	Over disturbed areas		Winter
Crested Wheat	2-3 lbs/acre	Over disturbed areas		Winter
Indian Rice	2-3 lbs/acre	Over disturbed areas		Winter

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes () No Will vegetation protection be needed? No _____

5. Will irrigation be used: () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

Re-seed areas when necessary.

STATE OF Colorado

COUNTY OF Jefferson

I, Michael J. [Signature], having been duly sworn
depote and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the Applicant and this
application has been executed as required by law.

Signed: Michael J. [Signature]

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 29th day of January, 19 81.

Notary Public: Rosemary J. [Signature]

My Commission Expires: Dec. 18, 1981

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

"Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES M.J. (Initial)

NO _____ (Initial)

Sections desired to be maintained as confidential information -

all

